

CONTAINER HAVING A DEPRESSIBLE MEMBER USED FOR EJECTING CONTENTS

BACKGROUND OF THE INVENTION

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1. Field of the invention

The present invention relates to a container having a depressible
ejection member used for ejecting contents, more particularly one, which
is made by means of integrating plastics and metal so as to be attractive
10 and convenient to use.

2. Brief Description of the Prior Art

Containers for shampoo, detergent, lotion etc. are usually formed
with a cylindrical shape, and equipped with a depressible ejection
member on the top such that the contents will be ejected when the
15 depressible ejection member is depressed.

Referring to Fig. 5, a conventional container 10 includes a plastic
containing body 103, a plastic upper cover 102 fitted to an upper end of
the containing body 103, and a plastic depressible ejecting assembly 101
joined to the upper cover 102 and communicating with inside of the
20 containing body 103 so that the contents will be ejected when the
depressible ejecting assembly 101 is depressed.

However, the container 10 is only made of plastics by means of
bottle blowing technique therefore it looks monotonous. Moreover, being
made of plastics, which is very light in weight, the container 10 is prone

to fall over when it is hit or when the depressible ejecting assembly is repeatedly depressed for ejecting the contents. Therefore, the container is not convenient to use.

5 SUMMARY OF THE INVENTION

It is a main object of the present invention to provide such a container having a depressible ejection member used for ejecting contents that the above disadvantages are overcome.

10 The container of the present invention includes a metallic hollow outer body, a transparent plate, a plastic inner containing body, and a depressible ejection assembly for ejecting contents of the inner containing body with. The outer body has several through holes thereon, which are formed in such a manner that patterns, and characters are
15 presented. The transparent plate has bumps thereon, and is positioned next to an inward side of the outer body with the bumps being closely fitted in the through holes respectively. The plastic inner body is held in the metallic outer body. The depressible ejection assembly is positioned above an upper cover of the outer body, and connected to an outlet
20 portion of the inner containing body. Thus, the present container is more steady and pleasant-looking than plastic ones, and people can see the contents of the inner body through the through holes and the transparent plates.

BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will be better understood by referring to the accompanying drawings, wherein:

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Fig. 1 is an exploded perspective view of the container having a depressible ejection member for ejecting contents in the present invention,

Fig. 2 is a perspective view of the container of the present
10 invention,

Fig. 3 is a vertical section of the container of the present invention,

Fig. 4 is another vertical section of the present invention, and

Fig. 5 is a vertical section of the conventional container.

15 DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Fig. 1, a preferred embodiment 1 of a container in the present invention includes a metallic outer body 11, a bottom part 12, a plastic inner containing body 13, an upper cover 14, a depressible
20 ejection assembly 15, and several transparent plates 2.

The metallic outer body 11 is hollow, and has upper and lower openings, several sides 111, and through holes 112 on the sides 111. The through holes 112 can be formed in such a manner that characters,

patterns, drawings, trademarks etc. are presented on the sides 111 of the metallic outer body 11. In addition, the metallic outer body 11 is formed with engaging cavities 113 on an inward side of an upper end portion, and engaging cavities 114 on an inward side of a lower end portion thereof.

The transparent plates 2 are positioned next to respective ones of inward sides of the sides 111 of the metallic outer body 11. Each of the transparent plates 2 has bumps 21 on an outward side thereof, which bumps 21 are formed in such a manner as to fit through holes 112 of the corresponding side 111. Thus, the bumps 21 will be passed through the through holes 112 to show when the transparent plates 2 are fitted on the inward sides of the metallic outer body 11. In addition, the transparent plates 2 are shorter than the sides 111 of the metallic outer body 11 so that they will be between the engaging cavities 113 and 114 of the outer body 11 when they are fitted to the outer body 11, as shown in Figs. 3 and 4.

The bottom part 12 is joined to the lower end of the metallic outer body 11 for sealing the lower opening of the same, and is formed with a recess surface 121 over an outward side of an upper end portion thereof, and engaging protrusions 122 on the recess surface 121.

The plastic inner containing body 13 is held in the metallic outer body 11 for containing liquid therein, and has an outlet portion 131 on a top thereof.

The upper cover 14 has a passage 143 on a top, a recess surface 141 over an outward side of a lower end portion thereof, and engaging protrusions 142 on the recess surface 141. The upper cover 14 is joined to the upper end of the metallic outer body 11 with the recess-formed lower end portion being closely fitted in the upper end of the outer body 11, and with the outlet portion 131 of the plastic inner containing body 13 being passed through the passage 143 thereof.

The depressible ejection assembly 15 is positioned above the upper cover 14, and connected to the outlet portion 131 of the plastic inner containing body 13, and is made such that the contents of the plastic inner containing body 13 will be ejected through it when it is depressed.

In assembling the container, referring to Figs. 2 to 4, first the bottom part 12 is tightly fitted in the lower end of the outer body 11 at the recess-formed upper end thereof with the engaging protrusions 122 being respectively fitted in the engaging cavities 113. Then, the transparent plates 2 are positioned next to the inward sides the sides 111 of the outer body 11 with the bumps 21 being fitted in the through holes 112 such that the bumps 21 are co-planar with the outward sides of the sides 111. Next, the plastic inner containing body 13 is positioned in the outer body 11, and the upper cover 14 is tightly fitted in the upper end of the outer body 11 at the recess-formed lower end thereof with the engaging protrusions 142 being respectively fitted in the engaging

cavities 114, and with the outlet portion 131 of the inner plastic containing body 13 being passed through the passage 143. Then, the depressible ejection assembly 15 is positioned above the upper cover 14, and connected to the outlet portion 131.

- 5 Furthermore, another metallic outer body, which has a sealed bottom as well as an upper opening, can be used instead of both the above metallic outer body 11 and the above bottom part 12.

From the above description, it can be easily understood that the container of the present invention has the following advantages:

- 10 1. The container will be more pleasant-looking and more desirable than the conventional container, which is only made of plastics by means of bottle blowing technique, because of the metallic outer body 11, the through holes 112 of the outer body 11 as well as the bumps 21 of the transparent plates 2 that can be characters, patterns, drawings etc.
- 15 2. People can see the contents of the container through the through holes 112 and the transparent plates 2.
3. Because the outer body 11 is made of metal, which is heavier than plastics, the present container is more steady, and won't fall over as easily as the conventional one when being subjected to external force.